

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7024	2 and ((opening or via or aperture or hole or open) near (substrate or PCB or (printed adj circuit adj board)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/25 13:51
		((redistribution adj layer) or re adj distribution adj layer) or RDL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/25 13:49
		S193 and substrate near wire\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 17:01
		((substrate near (aperature or opening) near (chip or die))	JPO	OR	OFF	2004/09/14 19:01
		((flip adj chip) and substrate and ((flip adj chip) near opening)))	US-PGPUB; USPAT	OR	OFF	2004/09/14 18:56
		(flip adj chip) and ((redistribution adj layer) or re adj distribution adj layer) or RDL)	JPO	OR	OFF	2005/08/25 13:48
L2	545	1 and substrate and (chip or die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/25 13:50
L3	72	2 and ((opening or via or aperture or hole or open) near (substrate or PCB or (printed adj circuit adj board)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/25 15:19
L4	3	"6765152"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/25 15:19

L5	1	"6424034".PN.	USPAT; USOCR	OR	OFF	2005/08/25 15:21
L6	1	"6376917".PN.	USPAT; USOCR	OR	OFF	2005/08/25 15:22
L7	1	"6347037".PN.	USPAT; USOCR	OR	OFF	2005/08/25 15:22
S1	1	"3399332".PN.	USPAT	OR	OFF	2004/09/15 11:08
S2	1	"4737395".PN.	USPAT	OR	OFF	2004/09/15 11:08
S3	1	"4829403".PN.	USPAT	OR	OFF	2004/09/15 11:09
S4	1	"4835598".PN.	USPAT	OR	OFF	2004/09/15 11:09
S5	1	"4890152".PN.	USPAT	OR	OFF	2004/09/15 11:09
S6	1	"5045921".PN.	USPAT	OR	OFF	2004/09/15 11:09
S7	1	"5233225".PN.	USPAT	OR	OFF	2004/09/15 11:09
S8	46135	(chip or die) and (opening or aperature) and substrate	US-PGPUB; USPAT	OR	OFF	2004/09/15 11:10
S9	4260	S8 and ((chip or die) same (opening or aperature) same substrate)	US-PGPUB; USPAT	OR	OFF	2004/09/15 11:12
S10	67	S9 and substrate near configuration	US-PGPUB; USPAT	OR	OFF	2004/09/15 11:13
S11	175	((flip adj chip) and (redistribution adj layer))	US-PGPUB; USPAT	OR	OFF	2004/08/20 11:58
S12	175	((flip adj chip) and (redistribution adj layer))) and (chip or die)	US-PGPUB; USPAT	OR	OFF	2004/08/20 11:59
S13	0	(((((flip adj chip) and (redistribution adj layer)))) and (chip or die)) and substrate) and (dummy adj die)	US-PGPUB; USPAT	OR	OFF	2004/08/20 11:59
S14	160	(((((flip adj chip) and (redistribution adj layer)))) and (chip or die)) and substrate	US-PGPUB; USPAT	OR	OFF	2004/08/20 12:42
S15	48	257/678 and redistribution	US-PGPUB; USPAT	OR	OFF	2004/08/20 12:43
S16	89	((flip adj chip) and (printed adj circuit adj board) and (redistribution adj layer))	US-PGPUB; USPAT	OR	OFF	2004/08/24 11:41
S17	96	((flip adj chip) and ((printed adj circuit adj board) or PCB) and ((redistribution adj layer) or RDL))	US-PGPUB; USPAT	OR	OFF	2004/08/24 11:55
S18	975	257/684	US-PGPUB; USPAT	OR	OFF	2004/08/24 11:55
S19	244	257/684 and flip adj chip	US-PGPUB; USPAT	OR	OFF	2004/08/24 12:37
S20	123	(257/684 and flip adj chip) and printed adj circuit adj board	US-PGPUB; USPAT	OR	OFF	2004/08/24 12:37

S21	6	((dummy adj die) and (flip adj chip))	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:17
S22	132	((die or chip) near ((redistribution adj layer) or RDL or metallization)) and flip adj chip)	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:27
S23	0	((die or chip) near ((redistribution adj layer) or RDL or metallization)) and flip adj chip)	JPO	OR	OFF	2004/08/24 16:27
S24	8	((die or chip) and ((redistribution adj layer) or RDL or metallization)) and flip adj chip)	JPO	OR	OFF	2004/08/24 16:28
S25	0	(flip adj chip) and ((redistribution adj layer) or (re adj distribution adj layer) or RDL)	JPO	OR	OFF	2004/08/24 16:29
S26	10	(flip adj chip) and (re adj distribution adj layer)	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:33
S27	26	(interposer and (redistribution adj layer) and (flip adj chip))	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:44
S28	3925	257/778	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:44
S29	373	257/778 and ((dummy adj die) or interposer)	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:44
S30	1	"6373131".PN. and (chip or die)	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:45
S31	369	(257/778 and ((dummy adj die) or interposer)) and (chip or die)	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:45
S32	27	((257/778 and ((dummy adj die) or interposer)) and (chip or die)) and redistribution	US-PGPUB; USPAT	OR	OFF	2004/08/24 16:45
S33	57	phase adj change adj memory adj device	US-PGPUB; USPAT	OR	OFF	2004/08/25 10:45
S34	1	"3833984".PN.	USPAT	OR	OFF	2004/08/25 12:27
S35	1	"3851221".PN.	USPAT	OR	OFF	2004/08/25 12:27
S36	1	"4530152".PN.	USPAT	OR	OFF	2004/08/25 12:27
S37	1	"4567643".PN.	USPAT	OR	OFF	2004/08/25 12:27
S38	1	"4707724".PN.	USPAT	OR	OFF	2004/08/25 12:27
S39	1	"4730232".PN.	USPAT	OR	OFF	2004/08/25 12:27
S40	1	"4756080".PN.	USPAT	OR	OFF	2004/08/25 12:27
S41	1	"4763188".PN.	USPAT	OR	OFF	2004/08/25 12:27
S42	1	"4812896".PN.	USPAT	OR	OFF	2004/08/25 12:27
S43	1	"4982265".PN.	USPAT	OR	OFF	2004/08/25 12:27
S44	1	"4996587".PN.	USPAT	OR	OFF	2004/08/25 12:27
S45	1	"5012323".PN.	USPAT	OR	OFF	2004/08/25 12:28
S46	1	"5025306".PN.	USPAT	OR	OFF	2004/08/25 12:28

S47	1	"5040052".PN.	USPAT	OR	OFF	2004/08/25 12:28
S48	1	"5041902".PN.	USPAT	OR	OFF	2004/08/25 12:28
S49	1	"5138438".PN.	USPAT	OR	OFF	2004/08/25 12:28
S50	1	"5140404".PN.	USPAT	OR	OFF	2004/08/25 12:29
S51	1	"5157480".PN.	USPAT	OR	OFF	2004/08/25 12:29
S52	1	"5165067".PN.	USPAT	OR	OFF	2004/08/25 12:29
S53	1	"5172213".PN.	USPAT	OR	OFF	2004/08/25 12:29
S54	1	"5172214".PN.	USPAT	OR	OFF	2004/08/25 12:29
S55	1	"5198888".PN.	USPAT	OR	OFF	2004/08/25 12:29
S56	1	"5200362".PN.	USPAT	OR	OFF	2004/08/25 12:29
S57	1	"5200809".PN.	USPAT	OR	OFF	2004/08/25 12:30
S58	1	"5214845".PN.	USPAT	OR	OFF	2004/08/25 12:30
S59	1	"5216278".PN.	USPAT	OR	OFF	2004/08/25 12:30
S60	1	"5221642".PN.	USPAT	OR	OFF	2004/08/25 12:30
S61	1	"5229647".PN.	USPAT	OR	OFF	2004/08/25 12:30
S62	1	"5258094".PN.	USPAT	OR	OFF	2004/08/25 12:30
S63	1	"5273938".PN.	USPAT	OR	OFF	2004/08/25 12:30
S64	1	"5277972".PN.	USPAT	OR	OFF	2004/08/25 12:30
S65	1	"5278446".PN.	USPAT	OR	OFF	2004/08/25 12:31
S66	1	"5279029".PN.	USPAT	OR	OFF	2004/08/25 12:31
S67	1	"5291061".PN.	USPAT	OR	OFF	2004/08/25 12:31
S68	1	"5323060".PN.	USPAT	OR	OFF	2004/08/25 12:31
S69	1	"5332864".PN.	USPAT	OR	OFF	2004/08/25 12:31
S70	1	"5334875".PN.	USPAT	OR	OFF	2004/08/25 12:31
S71	1	"5336931".PN.	USPAT	OR	OFF	2004/08/25 12:32
S72	1	"5343076".PN.	USPAT	OR	OFF	2004/08/25 12:32
S73	1	"5347429".PN.	USPAT	OR	OFF	2004/08/25 12:32
S74	1	"5406124".PN.	USPAT	OR	OFF	2004/08/25 12:32
S75	1	"5422435".PN.	USPAT	OR	OFF	2004/08/25 12:32
S76	1	"5424576".PN.	USPAT	OR	OFF	2004/08/25 12:32
S77	1	"5426563".PN.	USPAT	OR	OFF	2004/08/25 12:32
S78	1	"5432729".PN.	USPAT	OR	OFF	2004/08/25 12:32
S79	1	"5435057".PN.	USPAT	OR	OFF	2004/08/25 12:33
S80	1	"5463253".PN.	USPAT	OR	OFF	2004/08/25 12:33
S81	1	"5473196".PN.	USPAT	OR	OFF	2004/08/25 12:34
S82	1	"5495394".PN.	USPAT	OR	OFF	2004/08/25 12:34
S83	1	"5495398".PN.	USPAT	OR	OFF	2004/08/25 12:34
S84	1	"5502289".PN.	USPAT	OR	OFF	2004/08/25 12:35

S85	1	"5514907".PN.	USPAT	OR	OFF	2004/08/25 12:35
S86	1	"5521429".PN.	USPAT	OR	OFF	2004/08/25 12:35
S87	1	"5569625".PN.	USPAT	OR	OFF	2004/08/25 12:35
S88	1	"5581498".PN.	USPAT	OR	OFF	2004/08/25 12:35
S89	1	"5587341".PN.	USPAT	OR	OFF	2004/08/25 12:35
S90	1	"5604376".PN.	USPAT	OR	OFF	2004/08/25 12:35
S91	1	"5608267".PN.	USPAT	OR	OFF	2004/08/25 12:36
S92	1	"5614766".PN.	USPAT	OR	OFF	2004/08/25 12:36
S93	1	"5637536".PN.	USPAT	OR	OFF	2004/08/25 12:37
S94	1	"5637912".PN.	USPAT	OR	OFF	2004/08/25 12:37
S95	1	"5639990".PN.	USPAT	OR	OFF	2004/08/25 12:37
S96	1	"5640047".PN.	USPAT	OR	OFF	2004/08/25 12:38
S97	1	"5641997".PN.	USPAT	OR	OFF	2004/08/25 12:38
S98	1	"5646831".PN.	USPAT	OR	OFF	2004/08/25 12:38
S99	1	"5650663".PN.	USPAT	OR	OFF	2004/08/25 12:38
S10 0	1	"5682062".PN.	USPAT	OR	OFF	2004/08/25 12:38
S10 1	1	"5683806".PN.	USPAT	OR	OFF	2004/08/25 12:38
S10 2	1	"5689135".PN.	USPAT	OR	OFF	2004/08/25 12:38
S10 3	1	"5696031".PN.	USPAT	OR	OFF	2004/08/25 12:39
S10 4	1	"5696666".PN.	USPAT	OR	OFF	2004/08/25 12:39
S10 5	1	"5701034".PN.	USPAT	OR	OFF	2004/08/25 12:39
S10 6	1	"5710064".PN.	USPAT	OR	OFF	2004/08/25 12:40
S10 7	1	"5715147".PN.	USPAT	OR	OFF	2004/08/25 12:40
S10 8	1	"5721452".PN.	USPAT	OR	OFF	2004/08/25 12:40
S10 9	1	"5736432".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 0	1	"5739581".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 1	1	"5776798".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 2	1	"5783861".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 3	1	"5783870".PN.	USPAT	OR	OFF	2004/08/25 12:41

S11 4	1	"5793108".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 5	1	"5798014".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 6	1	"5815372".PN.	USPAT	OR	OFF	2004/08/25 12:41
S11 7	1	"5835988".PN.	USPAT	OR	OFF	2004/08/25 12:42
S11 8	1	"5859471".PN.	USPAT	OR	OFF	2004/08/25 12:42
S11 9	1	"5861666".PN.	USPAT	OR	OFF	2004/08/25 12:42
S12 0	1	"5866939".PN.	USPAT	OR	OFF	2004/08/25 12:42
S12 1	1	"5872025".PN.	USPAT	OR	OFF	2004/08/25 12:43
S12 2	1	"5877043".PN.	USPAT	OR	OFF	2004/08/25 12:43
S12 3	1	"5885849".PN.	USPAT	OR	OFF	2004/08/25 12:43
S12 4	1	"5886412".PN.	USPAT	OR	OFF	2004/08/25 12:43
S12 5	1	"5894108".PN.	USPAT	OR	OFF	2004/08/25 12:43
S12 6	1	"5917242".PN.	USPAT	OR	OFF	2004/08/25 12:44
S12 7	1	"5952611".PN.	USPAT	OR	OFF	2004/08/25 12:44
S12 8	1	"5973403".PN.	USPAT	OR	OFF	2004/08/25 12:44
S12 9	1	"5977613".PN.	USPAT	OR	OFF	2004/08/25 12:44
S13 0	1	"5977630".PN.	USPAT	OR	OFF	2004/08/25 12:44
S13 1	1	"5981314".PN.	USPAT	OR	OFF	2004/08/25 12:44
S13 2	1	"6001671".PN.	USPAT	OR	OFF	2004/08/25 12:44
S13 3	1	"6005778".PN.	USPAT	OR	OFF	2004/08/25 12:45
S13 4	1	"6025640".PN.	USPAT	OR	OFF	2004/08/25 12:45
S13 5	1	"RE36613".PN.	USPAT	OR	OFF	2004/08/25 12:45
S13 6	1	"6051886".PN.	USPAT	OR	OFF	2004/08/25 12:45

S13 7	1	"6057598".PN.	USPAT	OR	OFF	2004/08/25 12:45
S13 8	1	"6072243".PN.	USPAT	OR	OFF	2004/08/25 12:46
S13 9	1	"6080264".PN.	USPAT	OR	OFF	2004/08/25 12:46
S14 0	1	"6130115".PN.	USPAT	OR	OFF	2004/08/25 12:46
S14 1	1	"6130473".PN.	USPAT	OR	OFF	2004/08/25 12:46
S14 2	1	"6133637".PN.	USPAT	OR	OFF	2004/08/25 12:46
S14 3	1	"6143981".PN.	USPAT	OR	OFF	2004/08/25 12:46
S14 4	1	"6184463".PN.	USPAT	OR	OFF	2004/08/25 12:47
S14 5	1	"6198171".PN.	USPAT	OR	OFF	2004/08/25 12:47
S14 6	1	"6214641".PN.	USPAT	OR	OFF	2004/08/25 12:47
S14 7	1	"6225146".PN.	USPAT	OR	OFF	2004/08/25 12:47
S14 8	1	"6229200".PN.	USPAT	OR	OFF	2004/08/25 12:47
S14 9	1	"6235554".PN.	USPAT	OR	OFF	2004/08/25 12:47
S15 0	1	"6242281".PN.	USPAT	OR	OFF	2004/08/25 12:48
S15 1	1	"6281568".PN.	USPAT	OR	OFF	2004/08/25 12:48
S15 2	1	"6326696".PN.	USPAT	OR	OFF	2004/08/25 12:48
S15 3	1	"6414385".PN.	USPAT	OR	OFF	2004/08/25 12:48
S15 4	1	"6476474".PN.	USPAT	OR	OFF	2004/08/25 12:48
S15 5	1	"6559525".PN.	USPAT	OR	OFF	2004/08/25 12:48
S15 6	0	((bonding adj wire) near (redistribution adj layer))	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:18
S15 7	0	((bonding adj wires) near (redistribution adj layer))	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:19
S15 8	9	((bonding adj wires) same (redistribution adj layer))	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:25
S15 9	281	((bumps or balls) same (redistribution and substrate))	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:37

S16 0	0	((lead adj frame) and (substrate near stair))	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:41
S16 1	7	((lead adj frame) and (substrate same stair))	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:42
S16 2	3446	257/778 and substrate	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:44
S16 3	19	(257/778 and substrate) and substrate and stair	US-PGPUB; USPAT	OR	OFF	2004/09/14 16:50
S16 4	33	(257/778 and substrate) and substrate near configuration	US-PGPUB; USPAT	OR	OFF	2004/09/14 18:56
S16 5	7	((flip adj chip) and substrate and ((flip adj chip) near opening))	US-PGPUB; USPAT	OR	OFF	2004/09/14 18:57
S16 6	2	((substrate near opening) near (chip or die))	JPO	OR	OFF	2004/09/14 19:00
S16 7	2	((substrate near (aperature or opening)) near (chip or die))	JPO	OR	OFF	2004/09/14 19:01
S16 8	29	((substrate near (aperature or opening)) near (chip or die))	US-PGPUB; USPAT; JPO	OR	OFF	2004/09/14 19:01
S16 9	1	"5293072".PN.	USPAT	OR	OFF	2004/09/14 19:02
S17 0	1	"5844168".PN.	USPAT	OR	OFF	2004/09/14 19:02
S17 1	1	"5894108".PN.	USPAT	OR	OFF	2004/09/14 19:03
S17 2	1	"5894108".PN.	USPAT	OR	OFF	2004/09/14 19:03
S17 3	1	"5945741".PN.	USPAT	OR	OFF	2004/09/14 19:03
S17 4	1	"5966803".PN.	USPAT	OR	OFF	2004/09/14 19:03
S17 5	1	"5998241".PN.	USPAT	OR	OFF	2004/09/14 19:03
S17 6	1	"6060778".PN.	USPAT	OR	OFF	2004/09/14 19:03
S17 7	1	"6066512".PN.	USPAT	OR	OFF	2004/09/14 19:04
S17 8	1	"6078097".PN.	USPAT	OR	OFF	2004/09/14 19:04
S17 9	1	"6194250".PN.	USPAT	OR	OFF	2004/09/14 19:04
S18 0	1	"6249046".PN.	USPAT	OR	OFF	2004/09/14 19:04
S18 1	1	"6258631".PN.	USPAT	OR	OFF	2004/09/14 19:05

S18 2	1	"6320267".PN.	USPAT	OR	OFF	2004/09/14 19:05
S18 3	1	"6373131".PN.	USPAT	OR	OFF	2004/09/14 19:05
S18 4	1	"6395582".PN.	USPAT	OR	OFF	2004/09/14 19:05
S18 5	1	"6403401".PN.	USPAT	OR	OFF	2004/09/14 19:06
S18 6	1	"6607943".PN.	USPAT	OR	OFF	2004/09/14 19:06
S18 7	1	"6620646".PN.	USPAT	OR	OFF	2004/09/14 19:06
S18 8	4611	257/778	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 16:30
S18 9	174	S188 and substrate and (chip or die) and (redistribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 16:31
S19 0	166	S189 and @ad<"20032708"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 16:55
S19 1	378	substrate and (printed adj circuit adj board) and (chip or die) and redistribution and (aperture or hole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 16:57
S19 2	378	S191 and @ad<"200327808"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 16:57
S19 3	325	S191 and @ad<"20032708"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 16:57

S19 4	47	S193 and substrate near (hole or aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 17:01
S19 5	10	S193 and substrate near wire	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/22 17:01
S19 6	3	((("3691537") or ("3755692") or ("3210607"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:35
S19 7	697	voltage adj booster adj circuit	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:36
S19 8	17235	S197 converter and inductance	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:36
S19 9	697	S197 and converter and inductance	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:36
S20 0	34	S197 and converter and inductance	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:36